

FY16 NSTX RUN LOG

NSTX-U FY 16 Run started on Dec. 18, 2015.

FY 2016 Operation Targets: TBD

Complete: 1.74 run weeks producing 170 plasmas

Date	Run Time (Daily hrs)	Accumulated FY Run Time (hrs)	Accumulated FY Run Weeks (40 hours / week)	Plasma Attempts	Plasma Achieved	Experimental Topics	Comments
12/18/15	4.83	4.83	0.12	13	11	XMP-101: Inductive Start-Up Scenarios	Delayed start for ISTEP. Missed shots/down time for ECH
Week's End		4.83	0.12				
12/21/15	3.61	8.44	0.21	15	15	XMP-106: Magnetic calibration XMP-101: Inductive Start-Up Scenarios	Delayed start for field coil/PSRTC/PCS Testing Additional test time for PF3U/L test shots.
12/22/15	7.87	16.31	0.41	25	25	XMP-126: Ip and R Control XMP-105: Vertical Position Control Checkout	
Week's End		16.31	0.41				
1/4/16	0	16.31	0.41	0	0		Vacuum Vessel Boronization
1/5/16	5.07	21.38	0.53	11	7	XMP-101: Inductive Start-Up Scenarios XMP-126: Ip and R Control	Missed shots on FCPC/Controls. Down due to ECH/FCPC
1/6/16	6.78	28.16	0.70	19	9	XMP-101: Inductive Start-Up Scenarios XMP-105: Vertical Position Control Checkout XMP-126: Ip and R Control	Missed shots on Controls/FCPC. Down for FCPC.
1/7/16	8.27	36.43	0.91	26	25	XMP-127: Neutral beams into plasma XMP-107: Neutron Calibration Transfer XMP-101: Inductive Start-Up Scenarios XMP-105: Vertical Position Control Checkout XMP-126: Ip and R Control	Down for Ip permissive
1/8/16	8.24	44.67	1.12	26	23	XMP-127: Neutral beams into plasma XMP-105: Vertical Position Control Checkout XMP-126: Ip and R Control XMP-106: Magnetic calibration	Mag test shots after 4PM
Week's End	0	44.67	1.12				
1/11/16				0	0		TF Water Fitting Repair. Vacuum Vessel Boronization on 2nd shift
1/12/16	7.86	52.53	1.31	18	15	XMP-128: Increase the Elongation in L-Mode	Extra test time for gas injection system(GIS). Down due to Controls/Torus systems.
1/13/16	7.5	60.03	1.50	25	15	XMP-128: Increase the Elongation in L-Mode	Time spent on NB Conditioning. Missed shots on fizzles/FCPC
1/14/16	6.55	66.58	1.66	22	19	XMP-128: Increase the Elongation in L-Mode XMP-116: Initial H-mode Development	Additional test time for FCPC/NB. Missed shots on fizzles/FCPC
1/15/16	3.19	69.77	1.74	8	6	XMP-116: Initial H-mode Development	Delayed start to GIS/FCPC. Down for FCPC. Missed shots on PCS
Week's End		69.77	1.74				
Totals		69.77	1.74	208	170		

Run Hours

Run Weeks

Attempts

Plasmas